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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	1					
P51403	FOR FURTHER ACTION	See Notification	on of Transmittal of International xamination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/mor		Priority date (day/month/year)			
PCT/US03/40032	17 December 2003 (17.12.2003)		18 December 2002 (18.12.2002)			
International Patent Classification (IPC)	or national classification and IPC		10 2002 (10.12.2002)			
IPC(7): C07D 401/12, 401/14, 405/12, 417/12; A61K 31/4375, 31/47, 31/4709, 31/445, 31/4725; A61P 31/04 and US Cl.: 546/122, 138, 159, 163; 544/235, 293; 514/300, 306, 313, 248, 258						
Applicant						
GLAXO GROUP LIMITED						
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a	total of 3 sheets, including this	cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a t	total of sheets.					
3. This report contains indicati	ions relating to the following ite	ms:				
I Basis of the report						
II Priority	1					
III Non-establishmen	at of report with regard to novel	ty, inventive s	tep and industrial applicability			
IV Lack of unity of i	nvention		i			
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial						
applicability; citations and explanations supporting such statement VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
<u> </u>						
Date of submission of the demand	Date of	completion of	this report			
23 June 2004 (23.06.2004)		05 October 2004 (05.10.2004)				
Name and mailing address of the IPEA/US	Authoriz	Authorized officer				
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Authorized officer Venkataraman Balasubramanian Telephone V. (750 errores)				
P.O. Box 1450		Venkataraman Balasubramanian				
Facsimile No. (703) 305-3230 Telephone No. (571) 272-1600 Y			2-1600			
orm PCT/IPEA/409 (cover sheet)(July 1998)						



International approxion No.	
PCT/US03/40032	

I.	Bas	sis of the report	
1.	Wit	h regard to the elements of the international application:*	
	\boxtimes	the international application as originally filed.	
ļ	\boxtimes	the description:	
		pages 1-212 as originally filed	
		pages NONE , filed with the demand	
l		pages NONE, filed with the letter of	
		the claims:	
		pages 213-231, as originally filed pages NONE, as amended (together with any statement) under Article 19	
		pages NONE, filed with the demand	
		pages NONE, filed with the letter of	
ĺ		the drawings:	
		pages NONE , as originally filed	
ŀ		pages NONE , filed with the demand	
		pages NONE , filed with the letter of	
		the sequence listing part of the description:	
		pages NONE , as originally filed pages NONE , filed with the demand	
		pages NONE , filed with the letter of	
2.	Wit	h regard to the language, all the elements marked above were available or furnished to this Authority in the	
	lang	lage in which the international application was filed, unless otherwise indicated under this item	
	nes	e elements were available or furnished to this Authority in the following language which is:	
	닏	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).	
	\square	the language of publication of the international application (under Rule 48.3(b)).	
	\sqcup	the language of the translation furnished for the purposes of international preliminary examination (under Rules	
_	*****	55.2 and/or 55.3).	
3.	With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:	
	\Box	contained in the international application in printed form.	
	靣	filed together with the international application in computer readable form.	
	П	furnished subsequently to this Authority in written form.	
	ಠ	furnished subsequently to this Authority in computer readable form.	
	一		
	ш	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
	Г		
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.	
4		The amendments have resulted in the cancellation of:	
••		r	
		the description, pages NONE	
		the claims, Nos. NONE	
		the drawings, sheets/fig NONE	
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
* /	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in		
41413	this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.		
_		. and annexed to this report.	

Form PCT/IPEA/409 (Box I) (July 1998)



International a ation No. PCT/US03/40032

1. STATEMENT			
Novelty (N)	Claims	NONE	YES
	Claims	1-13	NO
Inventive Step (IS)	Claims	NONE	YES
	Claims	1-13	NO
Industrial Applicability (IA)	Claims	1-13	YES
	Claims	NONE	NO
Claims 1-13 lack an inventive step under PCT Artic As noted above, Davies et al. teaches the compout equivalency of those compounds shown in exampl Thus, it would have been obvious to one having or variously substituted in the quinoline ring as perm taught by the art in view of the equivalency teaching. Claims 1-13 lack novelty under PCT Article 33(2) a Davies et al. teaches several quinoline compounds at 13. See page 1, formula I and note the definition of 625, which include compounds claimed in the claim Claims 1-13 lack an inventive step under PCT Article As noted above, Davies et al. teaches the compoute equivalency of those compounds shown in exampla Thus, it would have been obvious to one having or variously substituted in the quinoline ring as perm taught by the art in view of the equivalency teaching Applicants have differed to address these rejections. Claims 1-13 meet the criteria set out in PCT Article can be made or used in industry as therapeutic agent.	ands generically es 1-204 with a dinary skill in	embraced in the claims 1-13 hose generically claimed for he art at the time of the invercument and expect the result ted by Davies et al. WO 02/08 ng bacterial infections, which e groups on the quinoline ring gobius over Davies et al, We embraced in the claims 1-13 hose generically claimed for he art at the time of the invercument and expect the result stage in their response to writh have industrial applicability b	i. In addition, Davies et al. teacher compound of formula I of page 1 ation was made to make compounds ing compounds to possess the uses 224. include compounds of the claims 1-2. See pages 29-65 for examples 1-47. O 02/08224. In addition, Davies et al. teaches compound of formula I of page 1 ation was made to make compounds ing compounds to possess the uses ten opinion.

Form PCT/IPEA/409 (Box V) (July 1998)